XR-6033/XRS-330

SERVICE MANUAL

E Model
Panama Model

Photo: XR-6033

Model Name Using Similar Mechanism	ES-R400, XR-4040
Tape Transport Mechanism Type	MG-36SHJ-32

SPECIFICATIONS

Tuner section

FM

Tuning range	Panama model: 87.9–107.9 MHz (at 200 kHz step) E model: 87.5–108 MHz (at 50 kHz step) FM tuning interval: 50 kHz/200 kHz switchable respectively with the 9K/10K switch
Antenna terminal	External antenna connector
Usable sensitivity	13 dBf (75 ohms)
Selectivity	More than 70 dB at 400 kHz
Signal-to-noise ratio	65 dB (stereo), 68 dB (monaural)
Harmonic distortion at 1 kHz	0.9% (stereo), 0.5% (monaural)
Separation	35 dB at 1 kHz
Frequency response	30 – 15,000 Hz (±3 dB)
Capture ratio	2.0 dB

AM

Tuning range	Panama model: 530–1,710 kHz (at 10 kHz step) E model: 531–1,620 kHz (at 9 kHz step) AM tuning interval: 9 kHz/10 kHz switchable
Antenna terminal	External antenna connector
Sensitivity	32 μV

Cassette player section

Tape track	4-track 2-channel stereo
Frequency response	40 – 15,000 Hz
Signal-to-noise ratio	50 dB
Wow and flutter	0.13%

Power amplifier section

Outputs	Speaker outputs (sure seal connectors)
Speaker impedance	3.2– 8 ohms
Maximum power output	30 W + 30 W (at 4 ohms)* *Measured at 14.4 V

General

High-cut filter	– 15 dB at 10 kHz
Bass boost	+ 8 dB at 100 Hz
Output lead	Power antenna relay control lead
Power requirements	12 V DC car battery (negative ground)
Mounting dimensions	Approx. 178 × 50 × 134 mm (w/h/d) not incl. projecting parts and controls
Weight	Approx. 1.3 kg
Accessories supplied	Mounting hardware (1 set) Power connecting cord (1)

Design and specifications subject to change without notice.

FM/AM CASSETTE CAR STEREO/ DUAL CONE SPEAKER

SONY®

Features

Tuner section
- SSIR (Sony Super Interference Rejection) PLL Synthesizer tuner.
- The quartz-locked digital synthesizer system enables easy and accurate tuning.
- Up to 12 FM and 6 AM stations can be preset.

Cassette deck section
The auto-reverse function changes the tape direction automatically.

Power amplifier section
- Maximum power output of 30 watts per channel.
- The HI-FILTER (high-cut filter) eliminates the frequency noise and delivers clear sound.

General
The quartz controlled digital clock.

SERVICING NOTE

Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270°C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

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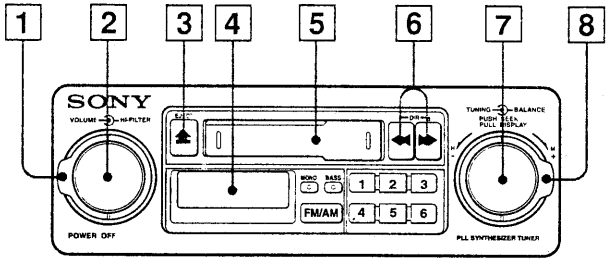
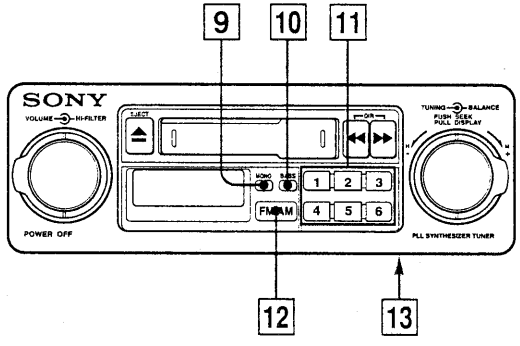
Location and Function of Controls

Refer to the page in ● for details.





1 HI-FILTER (high-cut filter) control
Turn counterclockwise to reduce the high frequency noise or high frequency distortion.

2 POWER OFF (power on/off) switch/VOLUME control

POWER OFF switch	Turn clockwise to turn on the power and counterclockwise to turn off the power.
VOLUME control	Turn clockwise to increase volume and counterclockwise to decrease volume.

3 ⏏ EJECT button
Press to stop the tape playback and take out the cassette.

4 Display window

5 Cassette insertion door

6 ◀◀/▶▶ (fast winding)/DIR (tape transport direction change) buttons ❼
During playback, depress ◀◀ or ▶▶ for fast winding and press both ◀◀ and ▶▶ simultaneously to listen to the other side of the cassette.

7 TUNING/PUSH SEEK/PULL DISPLAY knob

TUNING knob	Turn to tune in the desired station manually.
SEEK knob	Press for automatic tuning.
DISPLAY knob	Pull to display the time indication during radio reception.

Use this knob also for clock setting. ⓬

8 BALANCE control
Turn to adjust the balance of the left and right speakers.

9 MONO (monaural) button ❽
Press to reduce noise during reception of a weak FM stereo program.
To restore to stereo, press it again.

10 BASS (bass boost) button
Press to reinforce bass especially when listening at low volume.
To disengage the button, press it again.

11 Preset number buttons

12 FM/AM (band select) button ❽
Press to select a desired band, FM1, FM2 or AM.

13 9K/10K select switch ⓯
(located on the bottom of the unit)
See "9K/10K Select Switch" in the Installation section.

This section is extracted from instruction manual.

Installation

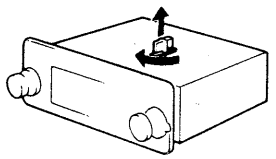
Precautions

- Choose the mounting location carefully so that the unit will not interfere with the normal driving functions of the driver.
- Avoid installing the unit where it should be subject to high temperatures, such as from direct sunlight or hot air from the heater, or where it would be subject to dust, dirt or excessive vibration.
- Use only the supplied mounting hardware for a safe and secure installation.

Basic Installation

Use the mounting hardware supplied with the unit.

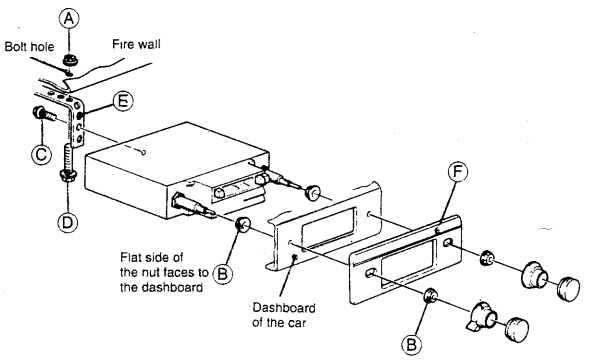
Remove the transit lock



Turn 90° and then pull it out.

14

Mount the unit



15

Connections

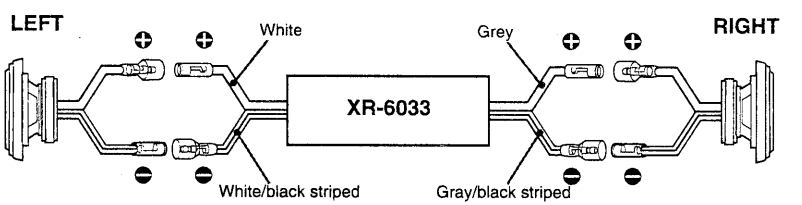
Caution

- This unit is designed for negative ground 12 V DC operation only.
- Before making connections, disconnect the ground terminal of the car battery to avoid short circuits.
- Connect the **red** power input lead only after all other leads are connected. Be sure to connect it to the positive 12 V power terminal which will be energized when the ignition key is set to the accessory position.
- **Run all ground wires to a common ground point.**

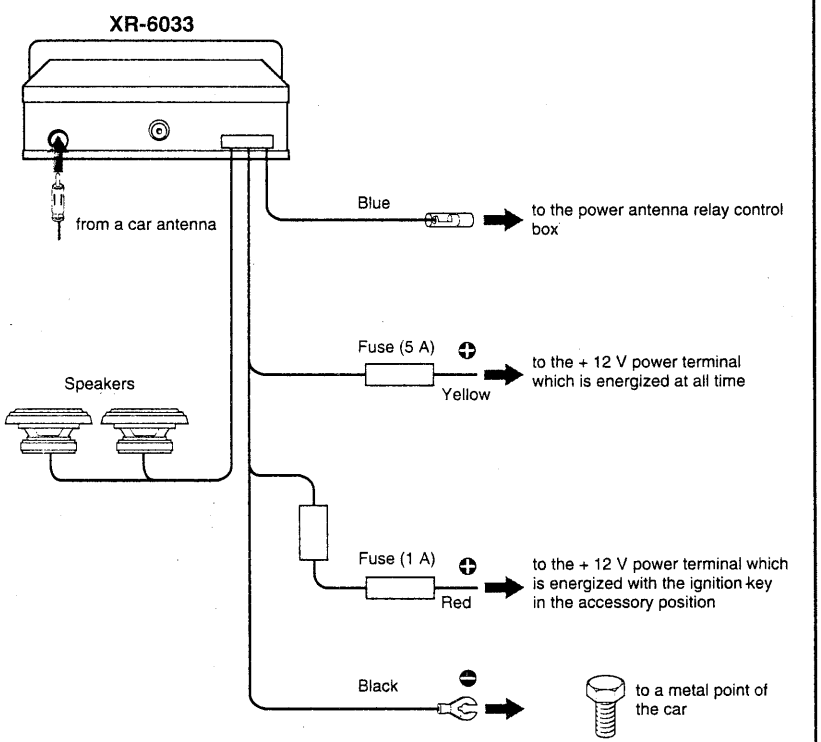
Speaker Connection

Notes on speaker connection

- Use speakers with an impedance of 3.2 to 8 ohms, and with adequate power handling capacities. Otherwise, the speakers may be damaged.
- Do not connect the terminals of the speaker system to the car chassis, and do not connect the terminals of the right speaker with those of the left speaker.
- Do not attempt to connect the speakers in paralle.



Connection Diagram


XR-6033
from a car antenna
Blue
to the power antenna relay control box
Fuse (5 A)
Yellow
to the + 12 V power terminal which is energized at all time
Speakers
Fuse (1 A)
Red
to the + 12 V power terminal which is energized with the ignition key in the accessory position
Black
to a metal point of the car

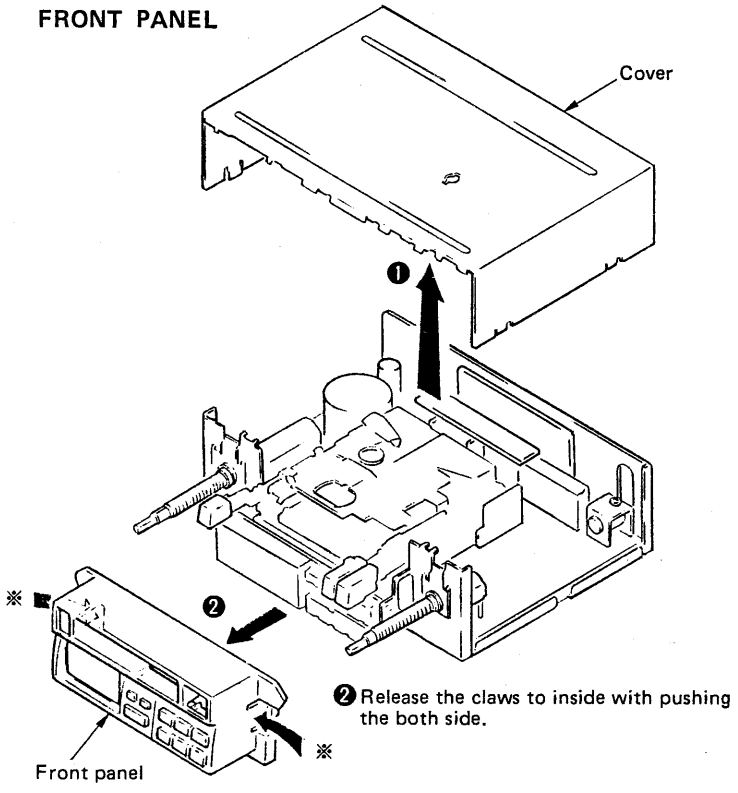
Cord color

Red	Power input lead
Yellow	Power input lead
Blue	Power antenna relay control lead
Black	Ground wire

SECTION 2
DISASSEMBLY

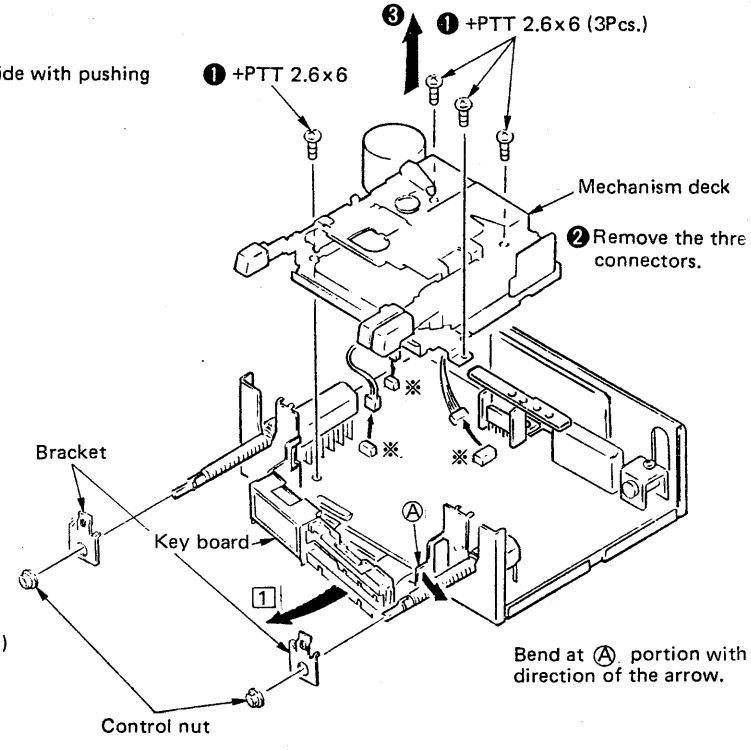
Note: Follow the disassembly procedure in the numerical order given.

FRONT PANEL

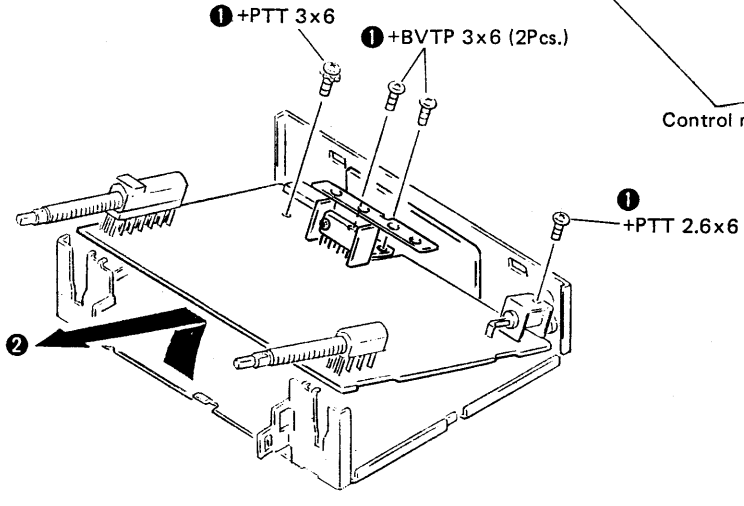


MECHANISM DECK/KEY BOARD

❶ – ❸ Mechanism deck
[1] KEY BOARD



MAIN BOARD



SECTION 3
ADJUSTMENTS

3-1. MECHANICAL ADJUSTMENT

No mechanical adjustments applied to this unit.

● Torque Measurement

Mode	Torque Meter	Torque
FWD	CQ-102B	40 to 75 g • cm (0.56 to 1.05 oz • inch)
REV	CQ-102RB	
FF	CQ-201A	45 to 150 g • cm (0.62 to 2.08 oz • inch)
REW		

3-2. ELECTRICAL ADJUSTMENTS

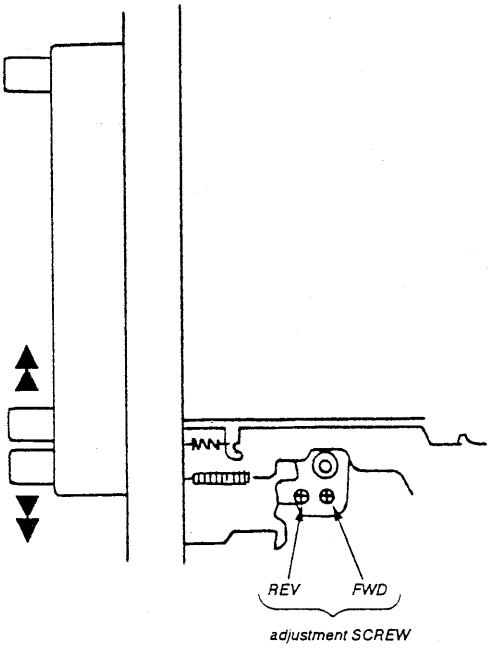
Note: The adjustment should be performed in the order given in this service manual.
The adjustments should be performed for both L-CH and R-CH.

- Power-supply voltage is + 14.4V DC as per Ad Hoc recommendation.
- Switches and controls should be set as follows unless otherwise specified.

PUSH RADIO switch : RADIO
PULL BALANCE control : center click

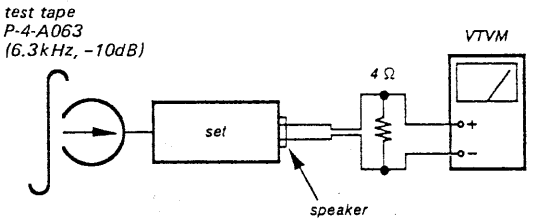
TAPE SECTION

Adjustment Location:



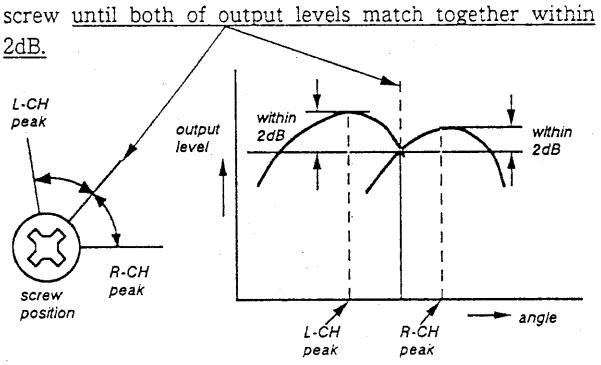
Playback Head Azimuth Adjustment

Procedure:

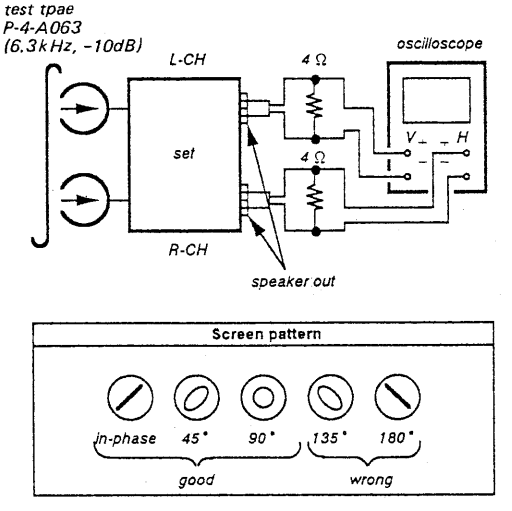


1.Mode : playback
Adjust for forward (▶) direction and reverse (◀) direction.

2. Turn the adjustment screw for the maximum output levels. If these levels do not match, turn the adjustment screw until both of output levels match together within 2dB.



3. Phase Check
Confirm that phase difference between L-channel and R-channel is within 90°



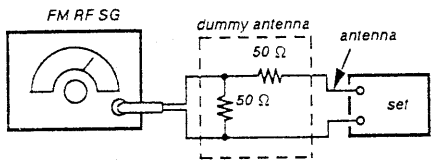
4. Repeat the above adjustment for reverse playback mode.
5. After the adjustment, lock the screw with locking compound.

FM SECTION

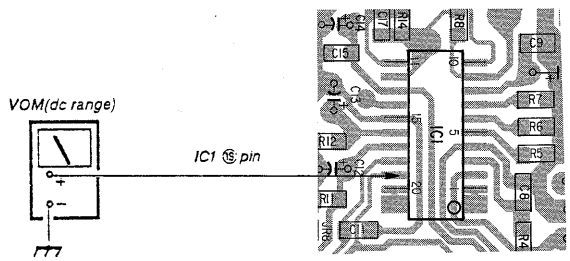
FM Auto-scan Stop Level Adjustment

Setup:

Band switch: FM MONO
Frequency: 98.0 MHz (E model)
98.1 MHz (Panama model)



Carrier frequency: *98.0 MHz (E model)*
98.1 MHz (Panama model)
Modulation: *no modulation*
Output level: *25dB (17.8μV)*



Procedure:

1. Adjust RV1 at the point where the VOM reading changes from low to high.
2. Confirm that the set stops auto-scanning with FM RF SSG output level set at 25 ± 2dB.

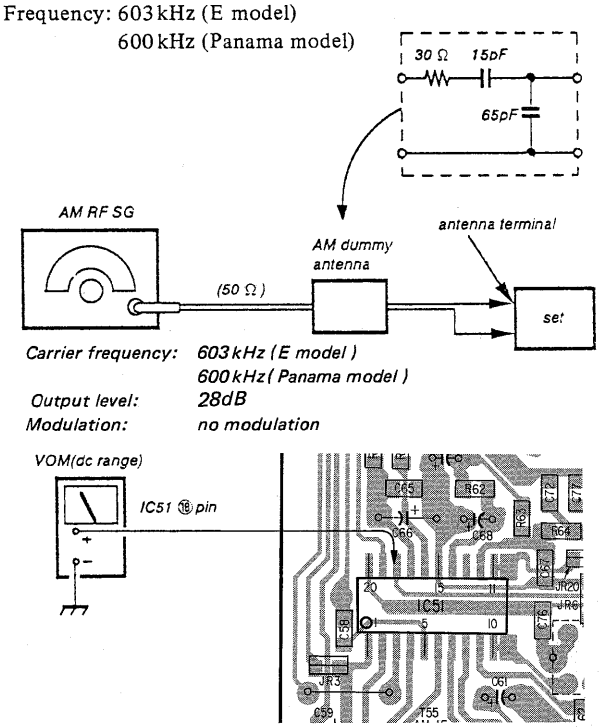
AM SECTION

AM Auto-scan Stop Level Adjustment

Note: Be sure to perform this adjustment after "FM Auto-scan Stop Adjustment".

Setup:

Band: AM
Frequency: 603 kHz (E model)
600 kHz (Panama model)



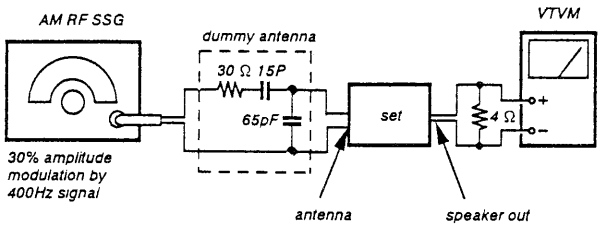
Carrier frequency: *603 kHz (E model)*
600 kHz (Panama model)
Output level: *28dB*
Modulation: *no modulation*

Procedure:

1. Adjust RV51 at the point where the VOM reading changes from low to high.
2. Confirm that the set stops auto-scanning with AM RF SG output level set at 28 ± 2 dB.

AM IF, Tracking Adjustment

Setup:



AM IF ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
T55, 56	

AM TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
T52, 53	600kHz (Panama model), 603kHz (E model)

FM SECTION

(The FM front-end is carefully adjusted at the factory and is supplied as one whole block for replacement.)

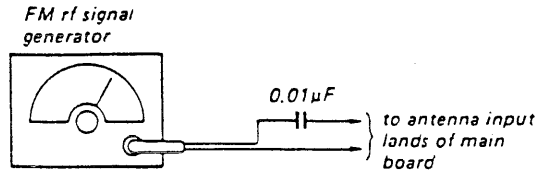
FM IF Adjustment

Setup:

Note: center-zero meter should be of high input impedance type.

Band: FM MONO

Frequency: 98.0MHz (E model)
98.1MHz (Panama model)



Carrier frequency: *98.0MHz(E model)*
98.1MHz(Panama model)

Modulation: *1kHz, 75kHz deviation (100%)*

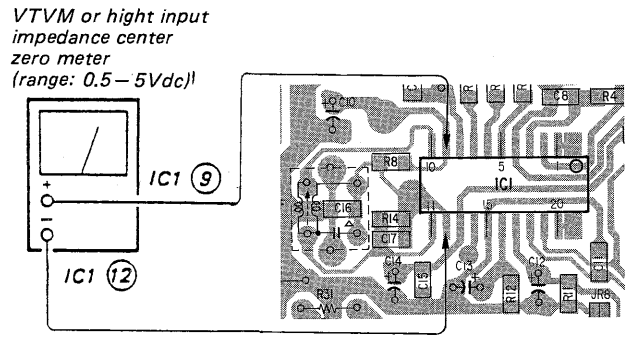
Output level: *1mV (60dB)*

Mode: *monaural*

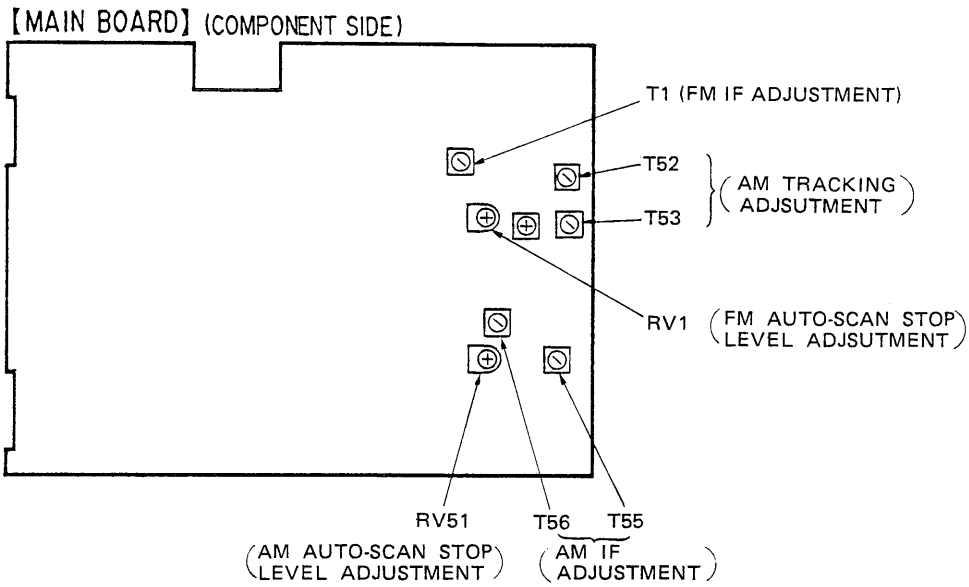
Procedure:

Slowly adjust the core of T1 to obtain a zero (0) V reading on VTVM or zero-center DC voltmeter.

Adjustment Location: main board

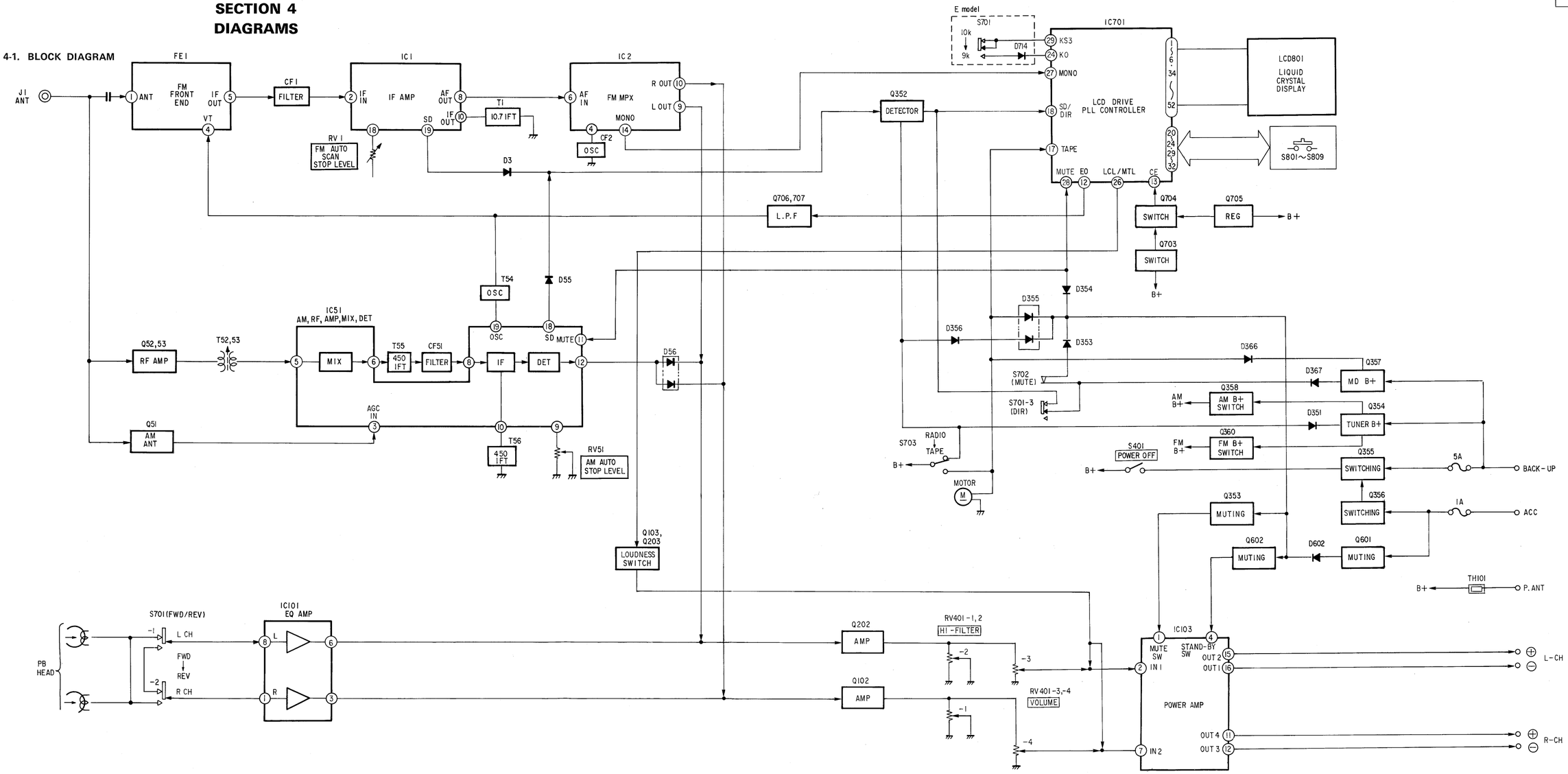


ADJUSTMENT LOCATION



SECTION 4
DIAGRAMS

4-1. BLOCK DIAGRAM



4-2. SEMICONDUCTOR LEAD LAYOUTS

TA8221H

2SC2668
2SC536SP-G

2SK523-M1

2SD1615A-GP

LTZ-MR15
RD16ES-B3
RD5.6ES-B3
RD6.8ES-B1
RD8.2ES-B1
RD9.1ES-B2
WG713A

RD10ES-B2
1S2472

1S2836

MA152WK

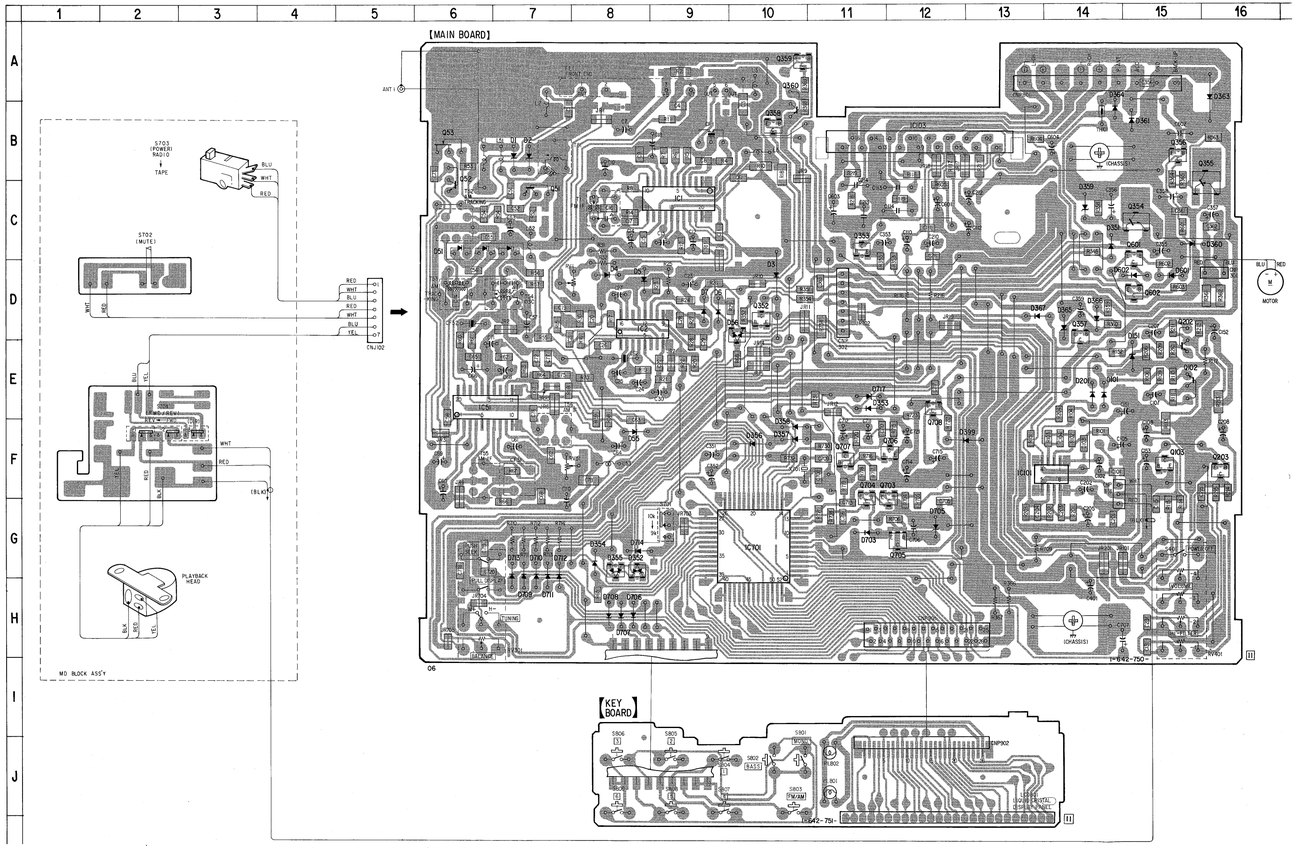
KV1281-3-2

4-3. PRINTED WIRING BOARDS

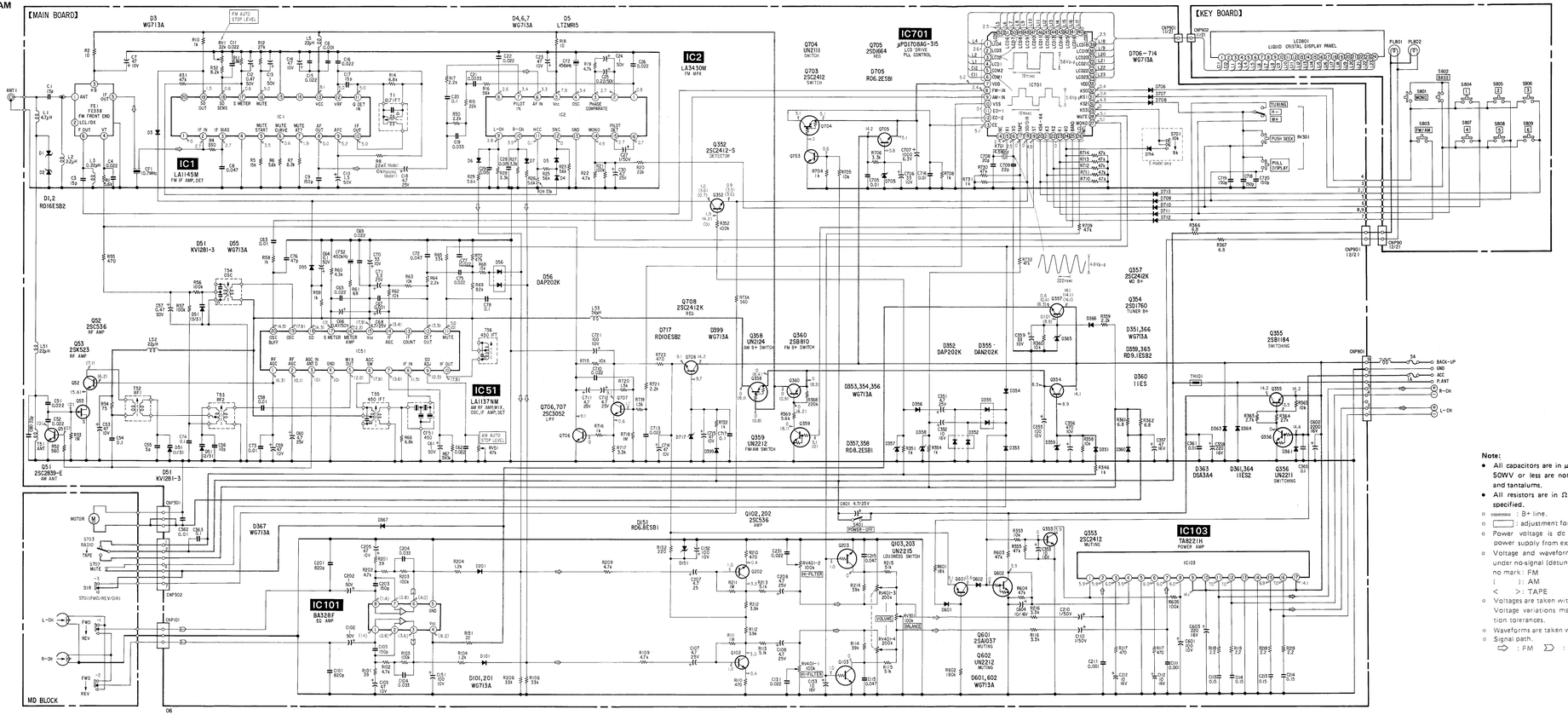
- **Semiconductor Location**

Ref.No.	Location	Ref.No.	Location
D1	B-7	D708	H-8
D2	B-7	D709	H-7
D3	D-10	D710	G-7
D4	D-8	D711	H-7
D5	D-8	D712	G-7
D6	D-9	D713	G-7
D7	D-9	D714	G-8
D55	F-8	D717	E-11
D56	D-10		
D101	E-14	IC2	D-8
D151	D-15	IC101	F-13
D201	E-14	IC103	B-12
D351	C-14	IC701	G-10
D352	G-8		
D353	E-11	Q52	B-6
D354	G-8	Q53	C-6
D355	G-8	Q102	E-15
D356	F-10	Q103	F-15
D357	F-10	Q202	D-15
D358	F-10	Q203	F-16
D359	C-14	Q352	D-10
D360	C-16	Q354	C-15
D361	B-15	Q355	B-16
D363	A-16	Q357	D-14
D364	A-14	Q358	B-10
D365	D-14	Q359	A-10
D366	D-14	Q360	A-10
D367	D-13	Q601	C-15
D399	F-13	Q602	D-15
D601	D-15	Q703	F-12
D602	D-15	Q704	F-11
D703	G-11	Q705	G-12
D705	G-12	Q706	F-12
D706	H-8	Q707	F-11
D707	H-8	Q708	F-12

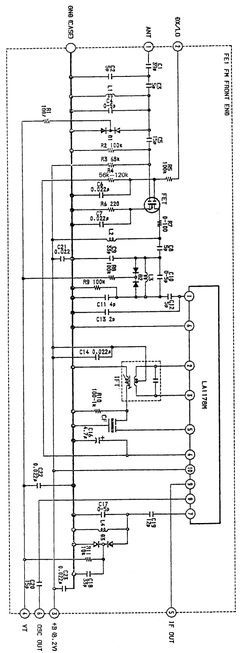
- ○—— : parts extracted from the component side.



4-4. SCHEMATIC DIAGRAM


【MAIN BOARD】
【KEY BOARD】
IC1 LA1145M FM/AM AMP, DET
IC2 LA3430M FM MPX
IC51 LA1137NM AM RF AMP/MIX, OSC, IF AMP, DET
IC101 BA328F BU AMP
IC103 TA8221H POWER AMP
IC701 μPD1708AG-3/5 LCD DRIVE, PLL CONTROL
MD BLOCK

4-5. FE1 FM FRONT END SCHEMATIC DIAGRAM

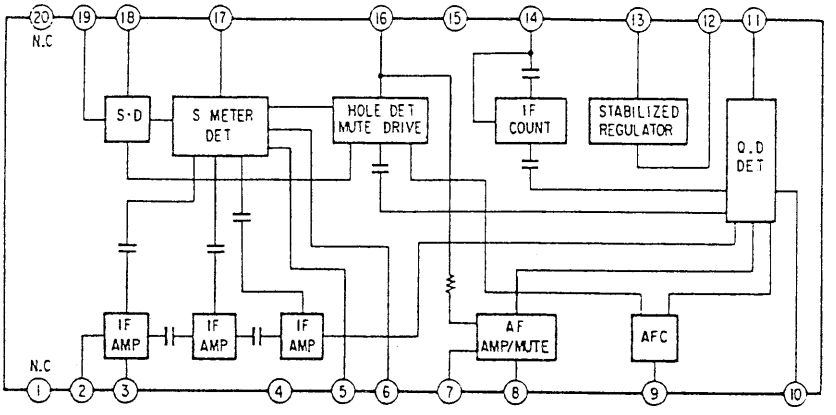


Note:

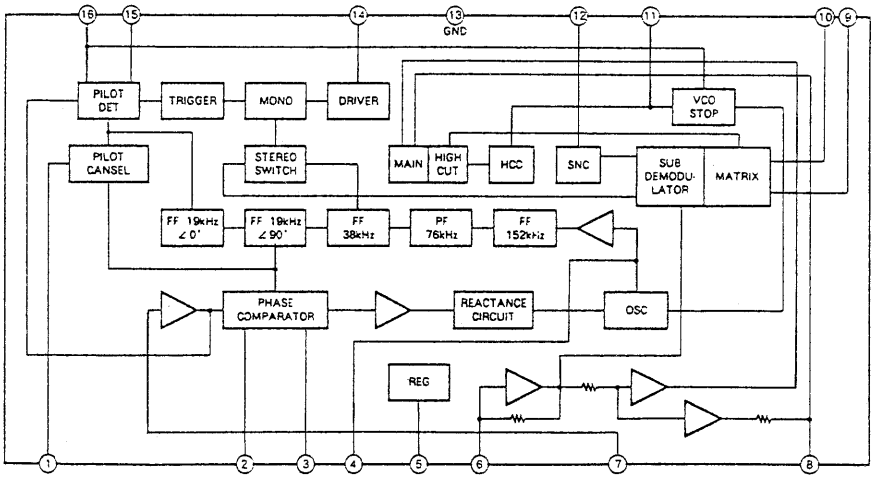
- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- ⏚ : B+ line.
- ▭ : adjustment for repair.
- Power voltage is dc 14.4V and fed with regurated dc power supply from external power voltage terminal.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM
  ( ) : AM
  < > : TAPE
- Voltages are taken with a VOM. (Input impedance 10MΩ) Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
- Signal path.
  ⇨ : FM ⇨ : PB

4-6. IC BLOCK DIAGRAMS

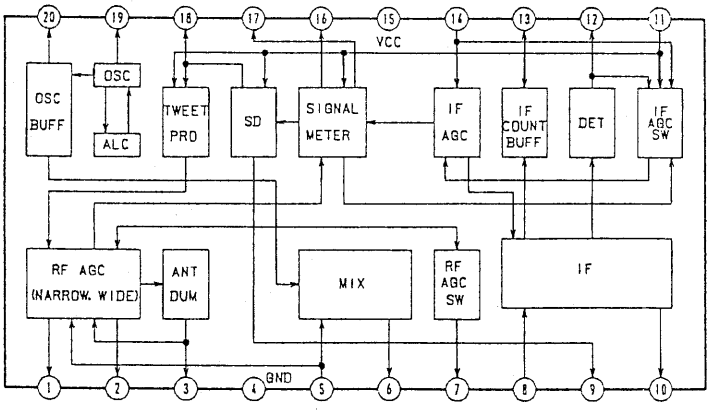
IC1 LA1145M



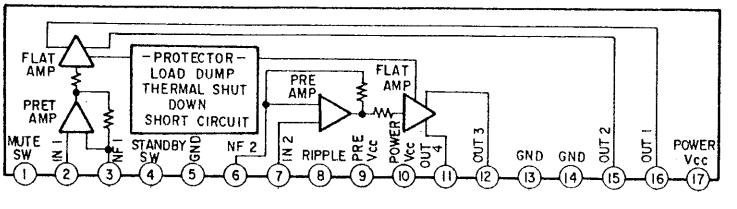
IC2 LA3430M



IC51 LA1137M



IC103 TA8221H



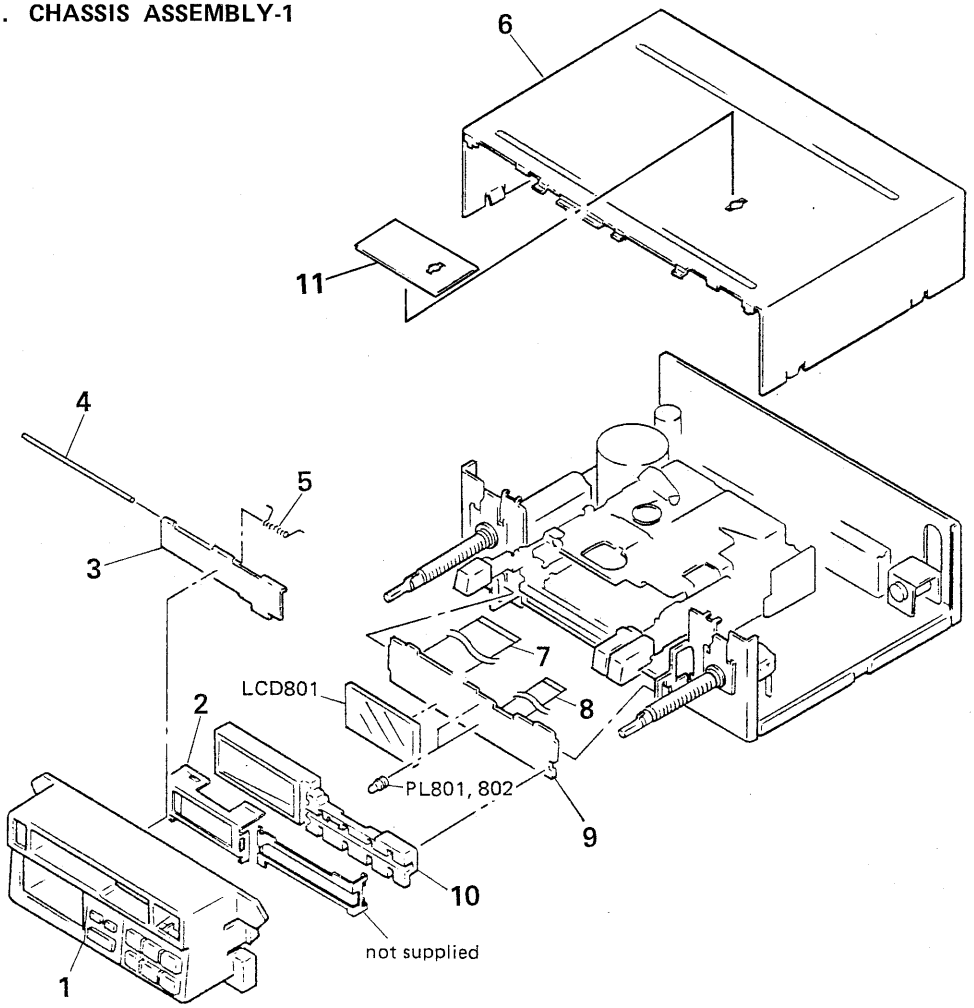
SECTION 5
EXPLODED VIEWS

NOTE:

- –XX, –X mean standardized parts, so they may have some differences from the original one.
- Color Indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ Parts color ↑ Cabinet's color
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list is given in the last of this parts list.

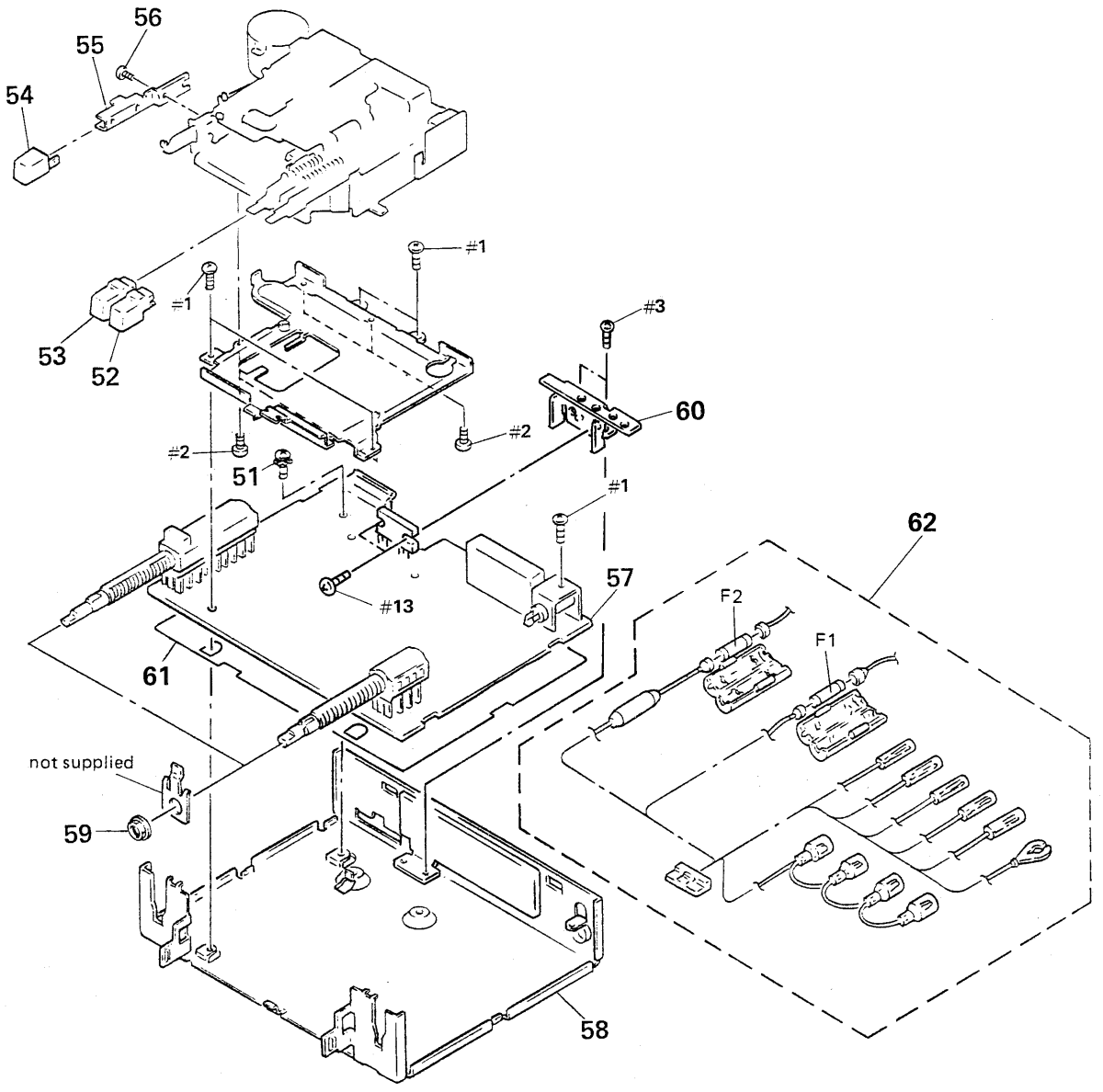
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

(1). CHASSIS ASSEMBLY-1



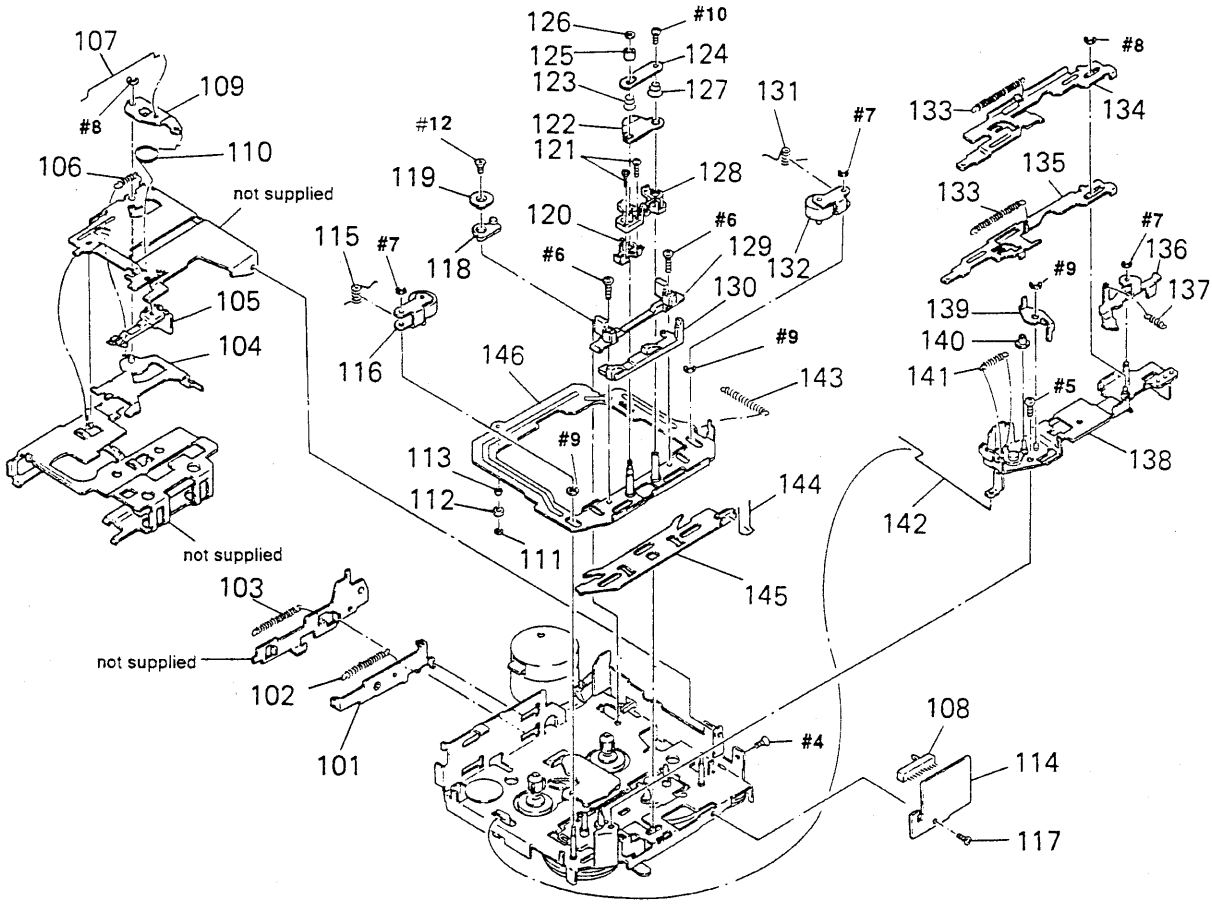
Ref. No.	Part No.	Description	Remark
1	X-3364-597-1	PANEL SUB ASSY, FRONT	
* 2	3-373-623-01	BRACKET (LCD)	
3	3-392-468-51	DOOR, CASSETTE	
4	3-332-130-01	SHAFT, C DOOR	
5	3-559-944-00	SPRING	
* 6	3-373-620-01	COVER	
7	1-690-687-11	WIRE, FLAT TYPE 26P	
8	1-535-667-51	CORE (FLAT TYPE) (9 CORE)	
* 9	1-642-751-11	KEY BOARD	
* 10	3-373-630-01	PLATE, LIGHT GUIDE	
* 11	3-376-156-01	LABEL, MODEL NUMBER (E)	
LCD801	1-809-532-21	DISPLAY PANEL, LIQUID CRISTAL	
PL801	1-518-644-11	LAMP, PILOT	
PL802	1-518-644-11	LAMP, PILOT	

(2). CHASSIS ASSEMBLY-2



Ref. No.	Part No.	Description	Remark
51	3-344-501-01	SCREW (+ PTT 3X6), GROUND POINT	
52	3-373-633-01	BUTTON (FF)	
53	3-373-632-01	BUTTON (REW)	
54	3-373-631-01	BUTTON (EJECT)	
55	3-392-429-01	LEVER (EJECT)	
56	3-372-033-11	SCREW (2.6X3), +P	
* 57	A-3222-373-A	MAIN BOARD, COMPLETE	
* 58	X-3364-592-1	CHASSIS ASSY	
59	3-575-039-00	NUT, CONTROL	
* 60	3-376-153-01	HEAT SINK (B)	
* 61	3-376-158-01	INSULATOR	
62	1-690-701-11	CORD (WITH CONNECTOR) 8P	
F1	1-532-360-XX	FUSE (1A)	
F2	1-532-421-00	FUSE (5A)	

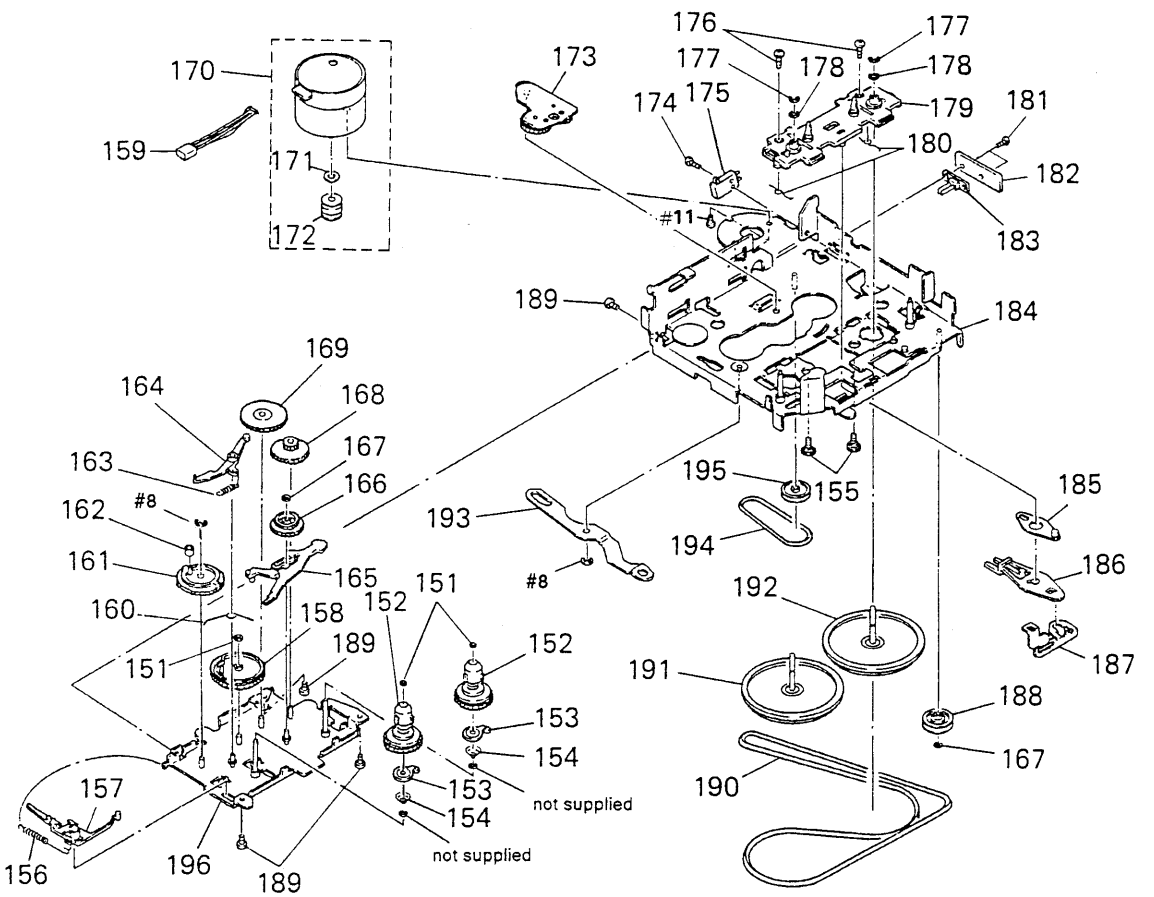
(3). MD ASSEMBLY-1 (MG-36SHJ-32)



Ref. No.	Part No.	Description	Remark
* 101	3-392-978-01	LEVER, EJECT	
102	3-392-950-01	SPRING	
103	3-392-951-01	SPRING	
* 104	3-392-921-01	LOCK ASSY, EJECT CAM	
105	3-392-972-01	HOOKER, TAPE	
106	3-392-953-01	SPRING	
107	3-392-969-01	LINK, RETURN	
108	1-692-036-11	SWITCH, SLIDE	
* 109	3-392-932-01	PLATE, CENTER	
110	3-392-961-01	SPRING (B)	
111	3-570-615-00	POLY-WASHER (DIA. 1.2)	
112	3-392-945-01	ROLLER (A), H.P	
113	3-392-942-01	ROLLER (B), H.P	
114	3-392-970-01	CHASSIS, SWITCH	
115	3-392-958-01	SPRING (R)	
116	3-375-378-01	ARM (R) ASSY, PINCH	
117	4-908-792-11	SCREW (B2X3), TAPPING, P1	
118	3-372-244-01	ARM (N), MUTE	
* 119	3-397-427-01	COLLAR, MUTE ARM	
120	3-377-908-01	SHIM (X), ADJUSTOR	
121	3-375-379-01	SCREW, AZIMUTH	
122	1-543-717-11	HEAD, MAGNETIC (PLAYBACK)	
123	3-392-956-01	SPRING (A)	
* 124	3-392-930-01	RETAINER, SPRING	
125	3-392-943-01	ROLLER, FF	

Ref. No.	Part No.	Description	Remark
126	3-676-387-00	POLY-SLIDER (DIA. 1.6)	
127	3-392-955-01	SPRING (A)	
128	3-377-910-01	ARM (X), ADJUSTOR	
129	3-392-984-01	GUIDE, TAPE	
130	3-377-909-01	LINK (X), ADJUSTOR	
131	3-392-957-01	SPRING (F)	
132	3-375-377-01	ARM (F) ASSY, PINCH	
133	3-392-948-01	SPRING	
* 134	3-392-980-01	LEVER, FF	
* 135	3-392-981-01	LEVER, REW	
* 136	3-392-935-01	ARM, LOCK	
137	3-392-917-01	SPRING	
* 138	3-372-242-01	BRACKET ASSY (D), LEVER	
* 139	3-392-933-01	LEVER (B), CHANGE	
140	3-392-994-01	ROLLER, PROGRAM	
141	3-392-954-01	SPRING	
142	3-372-243-01	LINK (B), SELECTOR	
143	3-392-952-01	SPRING	
144	3-392-962-01	SPRING	
* 145	3-392-919-01	ARM ASSY, F.R SELECTION	
* 146	3-392-975-02	PLATE ASSY, HEAD	

(4). MD ASSEMBLY-2 (MG-36SHJ-32)



Ref. No.	Part No.	Description	Remark
151	3-676-387-00	POLY-SLIDER (DIA. 1.6)	
152	3-376-196-01	SPINDLE ASSY (S), REEL	
153	3-375-380-01	CAM ASSY, DETECTION	
154	3-370-619-01	SPRING, BACK TENSION	
155	3-392-918-01	SCREW, EJECT HOOK	
156	3-392-959-01	SPRING	
157	3-392-985-02	RATCHET	
158	3-392-990-01	GEAR, DETECTION	
* 159	3-376-195-01	CONNECTOR ASSY (3P)	
160	3-392-960-01	SPRING	
161	3-392-987-01	GEAR, SELECTOR	
162	3-392-944-01	COLLAR (CELECTER GEAR)	
163	3-375-131-01	SPRING, GEAR LOCK ARM	
164	3-392-989-02	ARM, GEAR LOCK	
165	3-392-986-01	ARM, SENSOR	
166	3-392-915-01	GEAR, IDLE	
167	3-570-615-00	POLY-WASHER (DIA. 1.2)	
168	3-392-936-01	GEAR (A)	
169	3-392-937-01	GEAR (B)	
170	X-3364-496-1	MOTOR ASSY	
* 171	3-392-912-01	WASHER, MYLAR	
* 172	3-392-913-01	PULLEY, MOTOR	
173	3-392-916-01	ARM ASSY, TU GEAR	

Ref. No.	Part No.	Description	Remark
174	3-318-203-11	SCREW (B1.7X6), TAPPING	
175	1-554-790-11	SWITCH, POWER	
176	3-318-204-81	SCREW (M1.7X3), TAPPING	
177	3-590-768-00	RING (A), E	
178	3-701-437-11	POLY-SLIDER (A)	
* 179	3-375-381-01	BRACKET ASSY (X), CM	
180	3-392-963-01	SPRING (R)	
181	3-318-204-91	SCREW (M1.7X4), TAPPING	
182	3-375-376-01	MUTE (PWB)	
183	1-692-065-11	SWITCH, LEAF	
* 184	3-392-974-01	CHASSIS ASSY, MAIN	
* 185	3-392-925-01	ARM (A) ASSY, F.R	
* 186	3-392-939-01	ARM, FF	
* 187	3-392-934-01	ARM (B), F.R	
188	3-392-941-01	PULLEY (A), IDLE	
189	4-908-792-11	SCREW (B2X3), TAPPING, P1	
190	3-392-967-01	BELT, MAIN	
191	3-392-995-02	FLYWHEEL ASSY (BR)	
192	3-392-926-02	FLYWHEEL ASSY (BF)	
* 193	3-392-979-01	LEVER, REVERSE	
194	3-375-375-01	BELT (C), SUB	
195	3-392-938-01	GEAR, PULLY	
* 196	3-392-976-01	BASE ASSY, REEL	

SECTION 6
ELECTRICAL PARTS LIST

MAIN

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- –XX, –X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms
  METAL: Metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F: nonflammable
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: μ, for example:
  uA...: μA..., uPA...: μPA...,
  uPB...: μPB..., uPC...: μPC...,
  uPD...: μPD...
- CAPACITORS
  uF: μF
- COILS
  uH: μH

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

When indicating parts by reference number, please include the board name.

Ref.No.	Part No.	Description			Remark
*	A-3222-373-A	MAIN BOARD, COMPLETE			
		**********			
	1-535-667-51	CORE (FLAT TYPE) (9 CORE)			
	1-690-687-11	WIRE, FLAT TYPE 26P			
*	3-373-623-01	BRACKET (LCD)			
*	3-373-630-01	PLATE, LIGHT GUIDE			
*	3-376-153-01	HEAT SINK (B)			
	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S			
		< ANTENNA >			
ANT1	1-573-995-11	JACK (ANT)			
		< CAPACITOR >			
C1	1-163-097-00	CERAMIC CHIP	15PF	5%	50V
C3	1-163-161-00	CERAMIC CHIP	15PF	5%	50V
C4	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C6	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C7	1-124-589-11	ELECT	47uF	20%	16V
C8	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C9	1-163-121-00	CERAMIC CHIP	150PF	5%	50V
C10	1-124-256-00	ELECT	1.5uF	20%	50V
C11	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C12	1-124-465-00	ELECT	0.47uF	20%	50V
C13	1-126-160-11	ELECT	1uF	20%	50V
C14	1-124-589-11	ELECT	47uF	20%	16V
C15	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C16	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C17	1-163-097-00	CERAMIC CHIP	15PF	5%	50V
C18	1-126-163-11	ELECT	4.7uF	20%	50V
C19	1-163-989-11	CERAMIC CHIP	0.033uF	10%	25V
C20	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C21	1-164-182-11	CERAMIC CHIP	0.0033uF	10%	50V
C22	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C23	1-124-589-11	ELECT	47uF	20%	16V
C24	1-126-160-11	ELECT	1uF	20%	50V
C25	1-124-464-11	ELECT	0.22uF	20%	50V
C26	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C27	1-126-160-11	ELECT	1uF	20%	50V
C28	1-163-023-00	CERAMIC CHIP	0.015uF	5%	50V
C29	1-163-023-00	CERAMIC CHIP	0.015uF	5%	50V
C30	1-126-163-11	ELECT	4.7uF	20%	50V
C51	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C52	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C53	1-124-589-11	ELECT	47uF	20%	16V
C54	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C55	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C56	1-163-227-11	CERAMIC CHIP	10PF	5%	50V
C57	1-124-902-00	ELECT	0.47uF	20%	50V
C58	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C59	1-124-589-11	ELECT	47uF	20%	16V
C60	1-126-163-11	ELECT	4.7uF	20%	50V
C61	1-126-160-11	ELECT	1uF	20%	50V
C62	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C63	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C64	1-124-463-00	ELECT	0.1uF	20%	50V
C65	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C66	1-124-902-00	ELECT	0.47uF	20%	50V
C67	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C68	1-126-163-11	ELECT	4.7uF	20%	50V
C69	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C70	1-131-374-00	TANTALUM	33uF	10%	16V
C71	1-126-162-11	ELECT	3.3uF	20%	50V
C72	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C73	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C74	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C75	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C76	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C77	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V

Ref.No.	Part No.	Description			Remark
C78	1-163-077-00	CERAMIC CHIP	0.1uF	10%	25V
C80	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C101	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C102	1-126-160-11	ELECT	1uF	20%	50V
C103	1-163-121-00	CERAMIC CHIP	150PF	5%	50V
C104	1-163-989-11	CERAMIC CHIP	0.033uF	10%	25V
C105	1-124-589-11	ELECT	47uF	20%	16V
C107	1-126-163-11	ELECT	4.7uF	20%	50V
C108	1-126-163-11	ELECT	4.7uF	20%	50V
C110	1-126-160-11	ELECT	1uF	20%	50V
C111	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C112	1-126-157-11	ELECT	10uF	20%	16V
C113	1-137-188-11	FILM	0.15uF	5%	50V
C114	1-137-188-11	FILM	0.15uF	5%	50V
C115	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C131	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C151	1-124-584-00	ELECT	100uF	20%	10V
C152	1-124-584-00	ELECT	100uF	20%	10V
C153	1-126-157-11	ELECT	10uF	20%	16V
C201	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C202	1-126-160-11	ELECT	1uF	20%	50V
C203	1-163-121-00	CERAMIC CHIP	150PF	5%	50V
C204	1-163-989-11	CERAMIC CHIP	0.033uF	10%	25V
C205	1-124-589-11	ELECT	47uF	20%	16V
C207	1-126-163-11	ELECT	4.7uF	20%	50V
C208	1-126-163-11	ELECT	4.7uF	20%	50V
C210	1-126-160-11	ELECT	1uF	20%	50V
C211	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C212	1-126-157-11	ELECT	10uF	20%	16V
C213	1-137-188-11	FILM	0.15uF	5%	50V
C214	1-137-188-11	FILM	0.15uF	5%	50V
C215	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C231	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C351	1-126-163-11	ELECT	4.7uF	20%	50V
C352	1-126-157-11	ELECT	10uF	20%	16V
C353	1-126-157-11	ELECT	10uF	20%	16V
C355	1-124-584-00	ELECT	100uF	20%	10V
C356	1-124-472-11	ELECT	470uF	20%	10V
C357	1-124-589-11	ELECT	47uF	20%	16V
C358	1-124-120-11	ELECT	220uF	20%	25V
C359	1-124-229-00	ELECT	33uF	20%	10V
C361	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C362	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C363	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C365	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C401	1-126-163-11	ELECT	4.7uF	20%	50V
C601	1-124-584-00	ELECT	100uF	20%	10V
C602	1-124-556-11	ELECT	2200uF	20%	16V
C603	1-124-120-11	ELECT	220uF	20%	25V

Ref.No.	Part No.	Description			Remark
C604	1-126-157-11	ELECT	10uF	20%	16V
C705	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C706	1-124-229-00	ELECT	33uF	20%	10V
C707	1-126-916-11	ELECT	1000uF	20%	6.3V
C708	1-163-234-11	CERAMIC CHIP	20PF	5%	50V
C709	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C710	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C711	1-126-163-11	ELECT	4.7uF	20%	50V
C712	1-126-163-11	ELECT	4.7uF	20%	50V
C713	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C714	1-124-589-11	ELECT	47uF	20%	16V
C715	1-124-589-11	ELECT	47uF	20%	16V
C716	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C717	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C718	1-163-121-00	CERAMIC CHIP	150PF	5%	50V
C719	1-163-121-00	CERAMIC CHIP	150PF	5%	50V
C720	1-163-121-00	CERAMIC CHIP	150PF	5%	50V
C721	1-124-584-00	ELECT	100uF	20%	10V

< FILTER >

CF1	1-567-107-00	FILTER, CERAMIC 10.7MHz
CF2	1-567-250-11	OSCILLATOR, CERAMIC 456KHz
CF51	1-577-644-11	FILTER, CERAMIC 450KHz
CF52	1-527-981-00	FILTER, CERAMIC 450KHz

< CONNECTOR >

* CNP101	1-506-985-11	PIN, CONNECTOR (PC BOARD) 3P
* CNP302	1-566-004-11	PIN, CONNECTOR (PC BOARD) 7P
* CNP303	1-506-985-11	PIN, CONNECTOR (PC BOARD) 3P
CNP801	1-580-611-31	PIN, CONNECTOR (PC BOARD) 9P

< DIODE >

D1	8-719-110-46	DIODE	RD16ES-B3
D2	8-719-110-46	DIODE	RD16ES-B3
D3	8-719-987-06	DIODE	WG713A
D4	8-719-987-06	DIODE	WG713A
D5	8-719-970-44	DIODE	LTZ-MR15
D6	8-719-987-06	DIODE	WG713A
D7	8-719-987-06	DIODE	WG713A
D51	8-719-981-75	DIODE	KV1281-3-2
D55	8-719-987-06	DIODE	WG713A
D56	8-719-104-34	DIODE	1S2836
D101	8-719-987-06	DIODE	WG713A
D151	8-719-109-96	DIODE	RD6.8ES-B1
D201	8-719-987-06	DIODE	WG713A
D351	8-719-987-06	DIODE	WG713A
D352	8-719-104-34	DIODE	1S2836
D353	8-719-987-06	DIODE	WG713A
D354	8-719-987-06	DIODE	WG713A

MAIN

Ref.No.	Part No.	Description	Remark
D355	8-719-400-18	DIODE MA152WK	
D356	8-719-987-06	DIODE WG713A	
D357	8-719-110-06	DIODE RD8.2ES-B1	
D358	8-719-110-06	DIODE RD8.2ES-B1	
D359	8-719-110-13	DIODE RD9.1ES-B2	
D360	8-719-200-82	DIODE 11ES2	
D361	8-719-200-82	DIODE 11ES2	
D363	8-719-989-16	DIODE 1S2472	
D364	8-719-200-82	DIODE 11ES2	
D365	8-719-110-13	DIODE RD9.1ES-B2	
D366	8-719-987-06	DIODE WG713A	
D367	8-719-987-06	DIODE WG713A	
D399	8-719-987-06	DIODE WG713A	
D601	8-719-987-06	DIODE WG713A	
D602	8-719-987-06	DIODE WG713A	
D705	8-719-111-98	DIODE RD6.2ES-B1	
D706	8-719-987-06	DIODE WG713A	
D707	8-719-987-06	DIODE WG713A	
D708	8-719-987-06	DIODE WG713A	
D709	8-719-987-06	DIODE WG713A	
D710	8-719-987-06	DIODE WG713A	
D711	8-719-987-06	DIODE WG713A	
D712	8-719-987-06	DIODE WG713A	
D713	8-719-987-06	DIODE WG713A	
D714	8-719-987-06	DIODE WG713A (E)	
D717	8-719-110-17	DIODE RD10ES-B2	
		< FRONT END >	
FE1	1-465-919-11	FRONT END	
		< IC >	
IC1	8-759-820-53	IC LA1145M	
IC2	8-759-821-70	IC LA3430M	
IC51	8-759-821-95	IC LA1137NM	
IC101	8-759-046-31	IC BA328F	
IC103	8-759-242-83	IC TA8221H	
IC701	8-759-046-30	IC uPD1708AG-315-00	
		< JUMPER >	
JR1	1-216-296-00	METAL CHIP 0 5% 1/8W	
JR2	1-216-296-00	METAL CHIP 0 5% 1/8W	
JR3	1-216-296-00	METAL CHIP 0 5% 1/8W	
JR4	1-216-296-00	METAL CHIP 0 5% 1/8W	
JR6	1-216-296-00	METAL CHIP 0 5% 1/8W	
JR7	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR8	1-216-296-00	METAL CHIP 0 5% 1/8W	
JR9	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR10	1-216-295-00	METAL CHIP 0 5% 1/10W	

Ref.No.	Part No.	Description	Remark
JR11	1-216-296-00	METAL CHIP 0 5% 1/8W	
JR12	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR13	1-216-296-00	METAL CHIP 0 5% 1/8W	
JR14	1-216-296-00	METAL CHIP 0 5% 1/8W	
JR15	1-216-296-00	METAL CHIP 0 5% 1/8W	
JR17	1-216-296-00	METAL CHIP 0 5% 1/8W	
JR18	1-216-296-00	METAL CHIP 0 5% 1/8W	
JR19	1-216-296-00	METAL CHIP 0 5% 1/8W	
JR20	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR101	1-216-296-00	METAL CHIP 0 5% 1/8W	
JR201	1-216-296-00	METAL CHIP 0 5% 1/8W	
JR702	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR703	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR704	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR705	1-216-295-00	METAL CHIP 0 5% 1/10W	
		< COIL >	
L1	1-410-324-11	INDUCTOR 4.7uH	
L2	1-410-501-11	INDUCTOR 2.2uH	
L3	1-410-312-11	INDUCTOR 0.22uH	
L5	1-410-513-11	INDUCTOR 22uH	
L51	1-410-513-11	INDUCTOR 22uH	
L52	1-410-513-11	INDUCTOR 22uH	
L53	1-408-418-00	INDUCTOR 56uH	
		< TRANSISTOR >	
Q51	8-729-266-83	TRANSISTOR 2SC2668	
Q52	8-729-853-64	TRANSISTOR 2SC536SP-G	
Q53	8-729-105-74	TRANSISTOR 2SK523-M1	
Q102	8-729-853-64	TRANSISTOR 2SC536SP-G	
Q103	8-729-902-99	TRANSISTOR DTC114TK	
Q202	8-729-853-64	TRANSISTOR 2SC536SP-G	
Q203	8-729-902-99	TRANSISTOR DTC114EK	
Q352	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q353	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q354	8-729-921-48	TRANSISTOR 2SD1760F5-Q	
Q355	8-729-922-47	TRANSISTOR 2SB1184-F5-R	
Q356	8-729-421-22	TRANSISTOR UN2211	
Q357	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q358	8-729-425-03	TRANSISTOR UN2124	
Q359	8-729-424-59	TRANSISTOR UN2212	
Q360	8-729-205-02	TRANSISTOR 2SA1150	
Q601	8-729-216-22	TRANSISTOR 2SA1162	
Q602	8-729-424-59	TRANSISTOR UN2212	
Q703	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q704	8-729-424-08	TRANSISTOR UN2111	
Q705	8-729-106-68	TRANSISTOR 2SD1615A-GP	
Q706	8-729-100-67	TRANSISTOR 2SC1623-L7	
Q707	8-729-100-67	TRANSISTOR 2SC1623-L7	

Ref.No.	Part No.	Description				Remark
Q708	8-729-120-28	TRANSISTOR	2SC1623-L5L6			
		< RESISTOR >				
R1	1-216-067-00	METAL CHIP	5.6K	5%	1/10W	
R2	1-216-150-00	METAL GLAZE	10	5%	1/8W	
R4	1-216-037-00	METAL CHIP	330	5%	1/10W	
R5	1-216-077-00	METAL CHIP	15K	5%	1/10W	
R6	1-216-067-00	METAL CHIP	5.6K	5%	1/10W	
R7	1-216-071-00	METAL CHIP	8.2K	5%	1/10W	
R8	1-216-081-00	METAL CHIP	22K	5%	1/10W	(E)
R8	1-216-073-00	METAL CHIP	10K	5%	1/10W	(Panama)
R10	1-216-198-00	METAL CHIP	1K	5%	1/8W	
R11	1-216-069-00	METAL CHIP	6.8K	5%	1/10W	
R12	1-216-083-00	METAL CHIP	27K	5%	1/10W	
R14	1-216-069-00	METAL CHIP	6.8K	5%	1/10W	
R15	1-216-081-00	METAL CHIP	22K	5%	1/10W	
R16	1-216-091-00	METAL CHIP	56K	5%	1/10W	
R17	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	
R18	1-216-150-00	METAL GLAZE	10	5%	1/8W	
R19	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R20	1-216-081-00	METAL CHIP	22K	5%	1/10W	
R21	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R22	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R23	1-216-091-00	METAL CHIP	56K	5%	1/10W	
R24	1-216-085-00	METAL CHIP	33K	5%	1/10W	
R25	1-249-438-11	CARBON	56K	5%	1/4W	
R26	1-216-067-00	METAL CHIP	5.6K	5%	1/10W	
R27	1-216-061-00	METAL CHIP	3.3K	5%	1/10W	
R28	1-216-061-00	METAL CHIP	3.3K	5%	1/10W	
R29	1-216-067-00	METAL CHIP	5.6K	5%	1/10W	
R30	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	
R31	1-249-437-11	CARBON	47K	5%	1/4W	
R32	1-249-428-11	CARBON	8.2K	5%	1/4W	
R52	1-216-043-00	METAL CHIP	560	5%	1/10W	
R53	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R54	1-216-022-00	METAL CHIP	75	5%	1/10W	
R55	1-216-041-00	METAL CHIP	470	5%	1/10W	
R56	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R57	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R58	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R59	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R60	1-216-064-00	METAL CHIP	4.3K	5%	1/10W	
R61	1-216-021-00	METAL CHIP	68	5%	1/10W	
R62	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R63	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R64	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	
R65	1-216-085-00	METAL CHIP	33K	5%	1/10W	
R66	1-216-069-00	METAL CHIP	6.8K	5%	1/10W	

Ref.No.	Part No.	Description				Remark
R67	1-216-111-00	METAL CHIP	390K	5%	1/10W	
R68	1-216-077-00	METAL CHIP	15K	5%	1/10W	
R69	1-216-095-00	METAL CHIP	82K	5%	1/10W	
R70	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R101	1-216-015-00	METAL CHIP	39	5%	1/10W	
R102	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R103	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R104	1-216-051-00	METAL CHIP	1.2K	5%	1/10W	
R106	1-216-085-00	METAL CHIP	33K	5%	1/10W	
R109	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R110	1-216-041-00	METAL CHIP	470	5%	1/10W	
R111	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R112	1-249-424-11	CARBON	3.9K	5%	1/4W	
R113	1-216-215-00	METAL GLAZE	5.1K	5%	1/8W	
R114	1-216-748-11	METAL CHIP	39K	1%	1/10W	
R115	1-216-090-00	METAL CHIP	51K	5%	1/10W	
R116	1-249-423-11	CARBON	3.3K	5%	1/4W	
R117	1-216-190-00	METAL GLAZE	470	5%	1/8W	
R118	1-216-298-00	METAL CHIP	2.2	5%	1/10W	
R119	1-216-298-00	METAL CHIP	2.2	5%	1/10W	
R151	1-216-009-00	METAL CHIP	22	5%	1/10W	
R152	1-216-033-00	METAL CHIP	220	5%	1/10W	
R201	1-216-015-00	METAL CHIP	39	5%	1/10W	
R202	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R203	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R204	1-216-051-00	METAL CHIP	1.2K	5%	1/10W	
R206	1-216-085-00	METAL CHIP	33K	5%	1/10W	
R209	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R210	1-216-041-00	METAL CHIP	470	5%	1/10W	
R211	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R212	1-216-063-00	METAL CHIP	3.9K	5%	1/10W	
R213	1-216-215-00	METAL GLAZE	5.1K	5%	1/8W	
R214	1-216-748-11	METAL CHIP	39K	1%	1/10W	
R215	1-216-090-00	METAL CHIP	51K	5%	1/10W	
R216	1-249-423-11	CARBON	3.3K	5%	1/4W	
R217	1-216-190-00	METAL GLAZE	470	5%	1/8W	
R218	1-216-298-00	METAL CHIP	2.2	5%	1/10W	
R219	1-216-298-00	METAL CHIP	2.2	5%	1/10W	
R346	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R351	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R352	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R353	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R354	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R355	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R358	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R359	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	
R360	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R361	1-216-146-00	METAL GLAZE	6.8	5%	1/8W	
R362	1-216-146-00	METAL GLAZE	6.8	5%	1/8W	

MAIN

Ref.No.	Part No.	Description				Remark
R363	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R364	1-216-059-00	METAL CHIP	2.7K	5%	1/10W	
R365	1-216-059-00	METAL CHIP	2.7K	5%	1/10W	
R366	1-247-779-11	CARBON	6.8	5%	1/4W	
R367	1-247-779-11	CARBON	6.8	5%	1/4W	
R368	1-216-105-00	METAL CHIP	220K	5%	1/10W	
R369	1-216-067-00	METAL CHIP	5.6K	5%	1/10W	
R601	1-216-079-00	METAL CHIP	18K	5%	1/10W	
R602	1-216-103-00	METAL CHIP	180K	5%	1/10W	
R603	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R604	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R605	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R704	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R705	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R706	1-216-061-00	METAL CHIP	3.3K	5%	1/10W	
R708	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R709	1-249-437-11	CARBON	47K	5%	1/4W	
R710	1-249-437-11	CARBON	47K	5%	1/4W	
R711	1-249-437-11	CARBON	47K	5%	1/4W	
R712	1-249-437-11	CARBON	47K	5%	1/4W	
R713	1-249-437-11	CARBON	47K	5%	1/4W	
R714	1-249-437-11	CARBON	47K	5%	1/4W	
R715	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R716	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R717	1-216-061-00	METAL CHIP	3.3K	5%	1/10W	
R718	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R719	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R720	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R721	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	
R722	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R723	1-216-041-00	METAL CHIP	470	5%	1/10W	
R730	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R731	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R732	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R734	1-216-192-11	METAL GLAZE	560	5%	1/8W	
		< VARIABLE RESISTOR >				
RV1	1-238-601-11	RES, ADJ, CARBON 22K				
RV51	1-238-602-11	RES, ADJ, CARBON 47K				
RV301	1-241-680-11	RES, VAR, CARBON 100K (SW) (TUNING/BALANCE/SEEK/DISPLAY)				
RV401	1-241-819-11	RES, VAR, CARBON 100KX2/200KX2 (VOLUME/HI-FILTER)				
		< SWITCH >				
S701	1-553-510-00	SWITCH, SLIDE (10K/9K) (E)				
		< TRANSFORMER >				
T1	1-404-856-11	COIL, DISCRIMINATOR 10.7MHz				
T51	1-402-552-11	COIL (ANT)				
T52	1-426-547-11	COIL (RF)				
T53	1-426-548-21	COIL (RF)				
T54	1-406-379-11	COIL (OSC)				
T55	1-404-958-11	TRANSFORMER, IF 450KHz				
T56	1-404-959-11	TRANSFORMER, IF 450KHz				
		< THERMISTOR >				
TH101	1-809-148-11	THERMISTOR, POSITIVE				
		< CRYSTAL >				
X701	1-567-713-11	VIBRATOR, CRYSTAL 4.5MHz				
**********						
*	1-642-751-11	KEY BOARD				
		*********				
		< CONNECTOR >				
CNP902	1-565-209-11	CONNECTOR, FPC (ZIF) 26P				
* CNP903	1-691-638-11	HOUSING, CONNECTOR 26P				
		< DISPLAY >				
LCD801	1-809-532-21	DISPLAY PANEL, LIQUID CRISTAL				
		< PILOT LAMP >				
PL801	1-518-644-11	LAMP, PILOT				
PL802	1-518-644-11	LAMP, PILOT				
		< SWITCH >				
S801	1-572-704-21	SWITCH, KEY BOARD (MONO)				
S802	1-572-704-21	SWITCH, KEY BOARD (BASS)				
S803	1-572-704-21	SWITCH, KEY BOARD (FM/AM)				
S804	1-572-704-21	SWITCH, KEY BOARD (1)				
S805	1-572-704-21	SWITCH, KEY BOARD (2)				
S806	1-572-704-21	SWITCH, KEY BOARD (3)				
S807	1-572-704-21	SWITCH, KEY BOARD (4)				
S808	1-572-704-21	SWITCH, KEY BOARD (5)				
S809	1-572-704-21	SWITCH, KEY BOARD (6)				
**********						
		MISCELLANEOUS				
		*************				
62	1-690-701-11	CORD (WITH CONNECTOR) 8P				
108	1-162-036-11	SWITCH, SLIDE				
122	1-543-717-11	HEAD, MAGNETIC (PLAYBACK)				
170	X-3364-496-1	MOTOR ASSY				
175	1-554-790-11	SWITCH, POWER				
183	1-692-065-11	SWITCH, LEAF				
F1	1-532-360-XX	FUSE (1A)				
F2	1-532-421-00	FUSE (5A)				
**********						

REVISED

Ref.No.	Part No.	Description	Remark
		ACCESSORIES & PACKING MATERIALS	
		**********	
	3-373-625-11	KNOB (B) (BALANCE/HI-FILTER)	
*	3-375-632-01	CUSHION (UPPER) (6033)	
*	3-375-633-01	CUSHION (LOWER) (6033)	
	3-376-159-01	GRILLE, SPEAKER (330)	
*	3-377-735-01	INDIVIDUAL CARTON (6033)	
*	3-377-737-01	INDIVIDUAL CARTON (330)	
*	3-377-739-01	CUSHION (330)	
	3-701-627-00	BAG, POLYETHYLENE	
	3-754-998-11	MANUAL, INSTRUCTION (Panama) (ENGLISH, SPANISH)	
	3-754-998-41	MANUAL, INSTRUCTION (330:E) (ENGLISH, ARABIC)	
	3-754-999-11	MANUAL, INSTRUCTION (Panama) (ENGLISH, SPANISH)	
	3-754-999-41	MANUAL, INSTRUCTION (E) (ENGLISH, ARABIC)	
	X-3364-737-1	NET ASSY, SPEAKER (330)	
	X-3364-739-1	KNOB (C) ASSY (TUNING/VOLUME)	

****

MOUNTING HARDWARE

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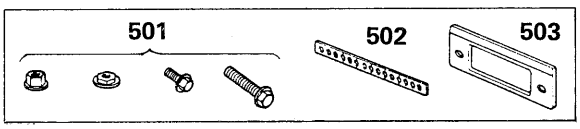
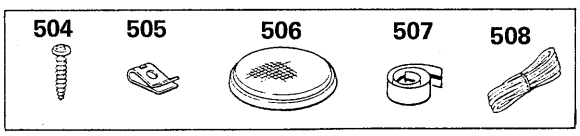


XRS-330 model



501	X-3391-202-1	SCREW ASSY, FITTING
502	3-310-655-11	SUPPORT (ND), FITTING
503	3-373-626-21	PLATE, TRIM
504	3-590-911-01	SCREW, TAPPING, HOLE, CROSS (330)
505	3-590-903-01	NUT, SPEED (330)
506	1-544-649-11	SPEAKER (13CM) (330)
507	X-3363-118-1	CEMENT ASSY, CONTACT (330)
508	1-559-640-11	CORD, SPEAKER (330)
508	1-559-640-21	CORD, SPEAKER (330)

****

Ref.No.	Part No.	Description	Remark

HARDWARE LIST

****

#1	7-621-770-67	SCREW +PTT 2.6X6 (S)
#2	7-621-773-86	SCREW +PTT 2.6X4 (S)
#3	7-685-645-79	SCREW +BVTP 3X6 TYPE2 N-S
#4	7-621-555-10	SCREW +K 2X3
#5	7-621-255-25	SCREW +P 2X4
#6	7-627-553-88	SCREW, PRECISION +P 2X7
#7	7-624-102-04	STOP RING 1.5, TYPE -E
#8	7-624-104-04	STOP RING 2.0, TYPE -E
#9	7-624-118-01	RING, RETAINING E-2.5
#10	7-627-553-48	SCREW, PRECISION +P 2X4
#11	7-621-255-15	SCREW +P 2X3
#12	7-621-591-00	SCREW +K 2X4
#13	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S

9-956-903-11
(Including 9-956-903-91)

Sony Corporation
Mobile Electronics Group

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